

CLAIMS

1. The method for producing heat for heating building and constructions by means of forming swirling water stream and providing a cavitation mode of its flow at the resonance intensification in this stream of appearing sonic and shock fluctuations **differs** by the fact that ethylene-glycol in the amount of 7% of the water mass is added to the water and the operating fluid stream is saturated with air, that amounts to 0,002 of the volume to the water mass, by means of changing of the tank construction for fluid delivery and changing of the heat generator construction, the method of the simultaneous delivery of operating fluid and its heating is carried out.

2. The continuous cavitation heat generator with the operating fluid inlet and outlet, with the pump connected to the heat generator inlet, with the fluid motion accelerator, feeding and return pipes, with unidirectional conical manifolds, with the conical fluid splitter **differs** by the fact that the cavitation heat-generator additionally comprises an operating fluid accelerator-promoter (Fig. 2), which comprises at least three successively connected manifolds with different diameters of their running passages and interconnected by means of flanges of the change of the main fluid stream motion direction with a conical slant (27) and ejection accelerating passage (29), comprises inside static cavitators (24,31) with radially disposed holes (4,16) for generating of a stream of calibrated cavitation bubbles, and cavitation Laval nozzles (6,18), an increased pressure fluid chamber (1) and static cavitators (3,15), which are disposed in the heat generator central (7) and outlet fittings (19), which are at least five, distributing flanges of the main fluid stream (10), which enters simultaneously the heat generator outlet flanges (19) and the feeding pipe manifold (21).